

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.12**DAILY PROJECT JOURNAL****Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Report No:** DPJ-000485**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Dated:** 19-Nov-2007**Location:** Changxing Island, Shanghai, China

Submittals(New / Total): **CWR's:** 0 / 27 **HSR's:** 0 / 10 **NCR's:** 0 / 12

Item	Title	Detail
1	Major component movement	<p>OBG Production:</p> <p>Welding transverse butt joint in bottom plates, Welding T-Stiffener to Bottom plates.</p> <p>77m Tower Mock-up:</p> <p>Welding stiffener plates between diaphragms.</p> <p>89m Tower Mock-up:</p> <p>Welding Web connection plate to Longitudinal Stiffeners.</p> <p>114m Tower Mock-up:</p> <p>Weld Longitudinal Stiffener to interior splice plates.</p> <p>Deck Plate Mock-up:</p> <p>Performing MT of Diaphragm to Closed-rib CJP welds.</p>
2	Meetings attended	<p>Caltrans met with ABF representatives David Williams, Craig Knops, Peter Ferguson and Art Peterson at 1230 to discuss the closed-rib discontinuities on the 2nd weld trial. The meeting centered on the measurement evaluation and reporting of discontinuities. ABF and Caltrans have agreed to the definition of undercut, incomplete fusion and stop/start discontinuities. The only disputed item is the evaluation of overlap. ABF and Caltrans agreed to cut macros at some representative areas of overlap. Selection of the areas from the 2nd weld trial will be performed tomorrow morning. The macro etch specimen should be ready by Friday and a follow-up meeting was scheduled.</p> <p>Caltrans met with ABF and ZPMC at 1300 to discuss issues and the schedule for the next three days.</p> <p>ZPMC requested Caltrans to "Green tag" flange plates for the OBG floorbeams to Wuxi Boiler for bending. The material will be shipped either</p>

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today or tomorrow depending upon ZPMC arrangements for paperwork and instructions for Wuxi Boiler.

ZPMC stated they had submitted material batches 38 and 39 to ABF and intended to have the material received by Caltrans on Saturday and Sunday. However, the MTR's were never submitted to Caltrans from ABF's document control. ABF Fabrication Manager David Williams stated he would follow-up on why this delay happened.

ZPMC asked about the status of BCWR-001 and BCWR-002 submitted to ABF on Wednesday and BCWR-003 submitted on Friday. ABF stated they believed these were transmitted to Caltrans. (Caltrans verified these were submitted at 1230).

ZPMC informed ABF and Caltrans that they have fabrication SPCM material on the OBG prior to check sampling. The amount of material used is not known, ZPMC believes this affects 4 plates of the same heat and they still have two plates in the yard to sample from. Caltrans asked to meet with ZPMC's Production and Planning managers to discuss the prevention of future occurrences.

The diaphragms for the 89m mock-up are at the Zhan Jiang base in Pudong for machining. Caltrans asked about the scheduling to allow for possible QA observation. ZPMC stated the material was still in route and would notify ABF and Caltrans of the schedule.

Caltrans state it appears the welding sequence of the Skin Plate stiffeners in not following the Fabrication Procedures. Caltrans stated that changes to the sequencing should be documented in the Fabrication Procedures.

3	Quality Assurance Inspectors per shift	4 Day Shift (Acuna, Hernandez, McClendon, Viars)
		3 Swing Shift (Berger, Dixon, Croff)
		2 Graveyard Shift (Franco, Jobes)

Inspected By:	McClary,David
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Quality Assurance Inspector

Reviewed By:	Lowry,Patrick
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QA Reviewer
